

EXPRESS MAIL No.: EL 963 993 090 US

Deposited: February 15, 2007

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/ Ruth Montalvo Date: 02/15/2007

Customer No. 026418

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. GK-EIS-1102/500593.20095

Applicant(s): Axel HAUPT, et al.

Confirmation No.: 7635

Application No.: 10/565.838

Examiner:

371 Filed: February 12, 2007

Group:

For: METHOD AND APPARATUS FOR THE DIGITIZATION OF AND FOR  
THE DATA COMPRESSION OF ANALOG SIGNAL

Mail Stop PCT  
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**S U P P L E M E N T A L**  
**I N F O R M A T I O N D I S C L O S U R E S T A T E M E N T**

S I R:

Supplemental to the information Disclosure Statement filed on January 25, 2006, applicants submits copies of the articles AM - AN and AR - AT previously omitted.

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- AL **BOOK NOT AVAILABLE YET** (N. S. Jayant, P. Noll, Digital Coding of Waveforms, Prentice-Hall, Englewood Cliffs, New Jersey, 1984)
- AM **R. M. Gray, David L. Neuhoff, Quantization, IEEE Transactions on Information Theory, pp. 2325-2383, Oct. 1998**
- AN **Manfred Herbert, Lattice Quantization of Speech Signals and Speech Model Signals. Selected Works on Information Systems, No. 79, editor: H.-W. Schüßler, Erlangen 1991**
- AO **NOT AVAILABLE YET** Volder, Jack, The CORDIC Trigonometric Technique, *IRE Trans. Electronic Computing*, Vol. EC-8, pp. 330-334, Sept. 1959
- AP **BOOK NOT AVAILABLE YET** (J. H. Conway and N. J. A. Sloane, Sphere Packings, Lattices, and Groups, Springer-Verlag, 3rd edition)
- AQ **NOT AVAILABLE YET** Robert F. H. Fischer, Precoding and Signal Shaping for Digital Transmission, pp. 258-281, John Wiley & Sons, Inc., New York, 2002, ISBN 0471 22410 3
- AR **T. Berger, Lossy Source Coding, IEEE Transactions on Information Theory, pp. 2693-2723, Oct. 1998**
- AS **L. Pakula and S. Kay, Simple Proofs of the Minimum Phase Property of the Prediction Error Filter, IEEE Transactions on ASSP, Vol. 31, 1983**
- AT **Erik Agrell, Thomas Eriksson, Alexander Vardy, Kenneth Zeger, Closest Point Search in Lattices, IEEE Transactions on Information Theory, pp. 2201-2214, Aug. 2002**

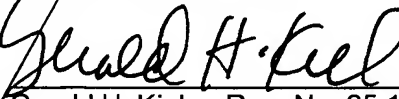
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AU	<b>Music Pieces</b>	"Zauberflöte" by Wolfgang Amadeus Mozart (Philips Classics Productions 1994 (DDD),
	<b>NOT</b>	
AV	<b>AVAILABLE</b>	Mozart, "Der Vogelfänger bin ich ja" (Die Zauberflöte), Polygram Records #442569-2, track 3

Accompanying this Supplemental Information Disclosure Statement is a copy of the originally submitted form PTO-1449.

This submission is not an admission that the information disclosed in the documents is material to the patentability of the invention disclosed and/or claimed in the above-identified application.

Respectfully submitted,



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Enclosures:  
Originally filed PTO-1449  
5 Articles

**LIST OF PRIOR ART CITED BY APPLICANT**  
(Filed on January 25, 2006)

Docket No. **GK-EIS-1102/500593.20095**Applicant(s): **Axel HAUPT, Volker SCHMITT, Johannes HUBER and Bernd MATSCHKAL**

Application No. (Int'l Appln No. PCT/EP2004/008217 23JUL04) Group:

Filed: Examiner:

**U.S. PATENT DOCUMENTS**

Exam. Init	Document Number	Date	Name	Class	Sub-Class	Filing Date Appropriate
AA	4,433,604	02/28/1984	Ott			

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	CLASS	Sub-Class	Translation YES NO
AH	0 360 770	03/28/1990	European			n/a

**OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

AL	N. S. Jayant, P. Noll, Digital Coding of Waveforms, Prentice-Hall, Englewood Cliffs, New Jersey, 1984
AM	R. M. Gray, David L. Neuhoff, Quantization, <i>IEEE Transactions on Information Theory</i> , pp. 2325-2383, Oct. 1998
AN	Manfred Herbert, Lattice Quantization of Speech Signals and Speech Model Signals. Selected Works on Information Systems, No. 79, editor: H.-W. Schüßler, Erlangen 1991
AO	Volder, Jack, The CORDIC Trigonometric Technique, <i>IRE Trans. Electronic Computing</i> , Vol. EC-8, pp. 330-334, Sept. 1959
AP	J. H. Conway and N. J. A. Sloane, Sphere Packings, Lattices, and Groups, Springer-Verlag, 3rd edition
AQ	Robert F. H. Fischer, Precoding and Signal Shaping for Digital Transmission, pp. 258-281, John Wiley & Sons, Inc., New York, 2002, ISBN 0471 22410 3
AR	T. Berger, Lossy Source Coding, <i>IEEE Transactions on Information Theory</i> , pp. 2693-2723, Oct. 1998
AS	L. Pakula and S. Kay, Simple Proofs of the Minimum Phase Property of the Prediction Error Filter, <i>IEEE Transactions on ASSP</i> , Vol. 31, 1983
AT	Erik Agrell, Thomas Eriksson, Alexander Vardy, Kenneth Zeger, Closest Point Search in Lattices, <i>IEEE Transactions on Information Theory</i> , pp. 2201-2214, Aug. 2002
AU	"Zauberflöte" by Wolfgang Amadeus Mozart (Philips Classics Productions 1994 (DDD),
AV	Mozart, "Der Vogelfänger bin ich ja" (Die Zauberflöte), Polygram Records #442569-2, track 3
AW	XP-009038121 / Huber, et al "Spherical logarithmic quantization and its application for DPCM" ITG-Fachbericht, VDE-Verlag GmbH, JAN2004 pages 349-356
AX	XP-002301076 / Adoul, et al. "Baseband speech coding at 2400 BPS using spherical vector quantization" Proceedings of the <i>IEEE International Conference on Acoustics, Speech and Signal Processing IEEE</i> , NY, MARCH1984, pages 1.12.1 - 1.12.4
AY	XP-002301077 / Wilson "Magnitude/phase quantization of independent Gaussian variates" <i>IEEE Transactions on Communications USA</i> , NOV1980, pages 1924-1929
AZ	XP-002301078 / Swaszek "Uniform spherical coordinate quantization of spherically symmetric sources" <i>IEEE Transactions on Communications USA</i> , JUNE1985, pages 518-521

Examiner:

Date:

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.